

Rate-of-Return Model Parameters Determine the Program's Success

On Behalf of the Nebraska Companies

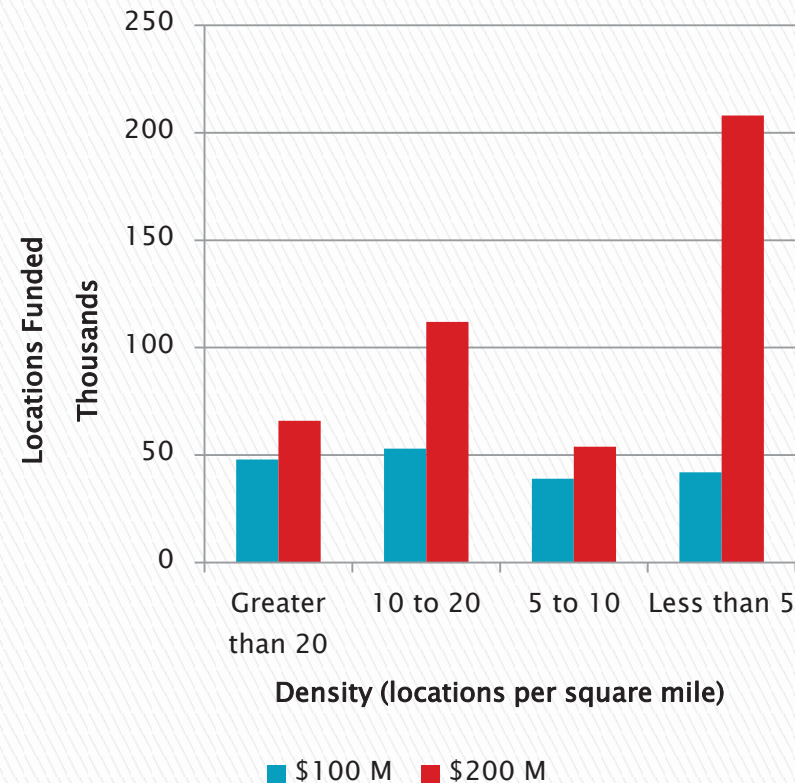
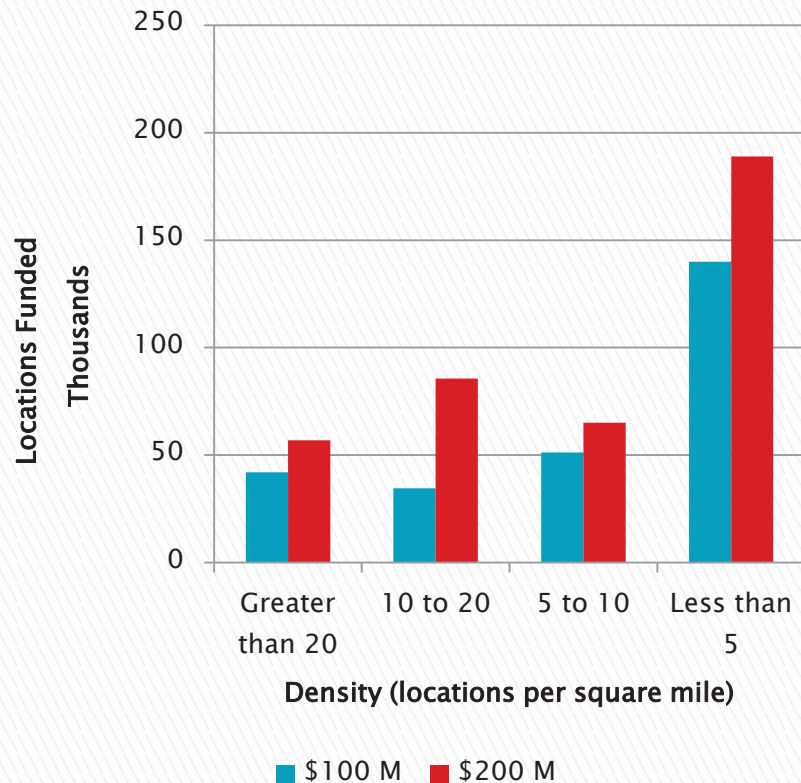
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At \$200 Million, Many More Rural Locations Are Funded

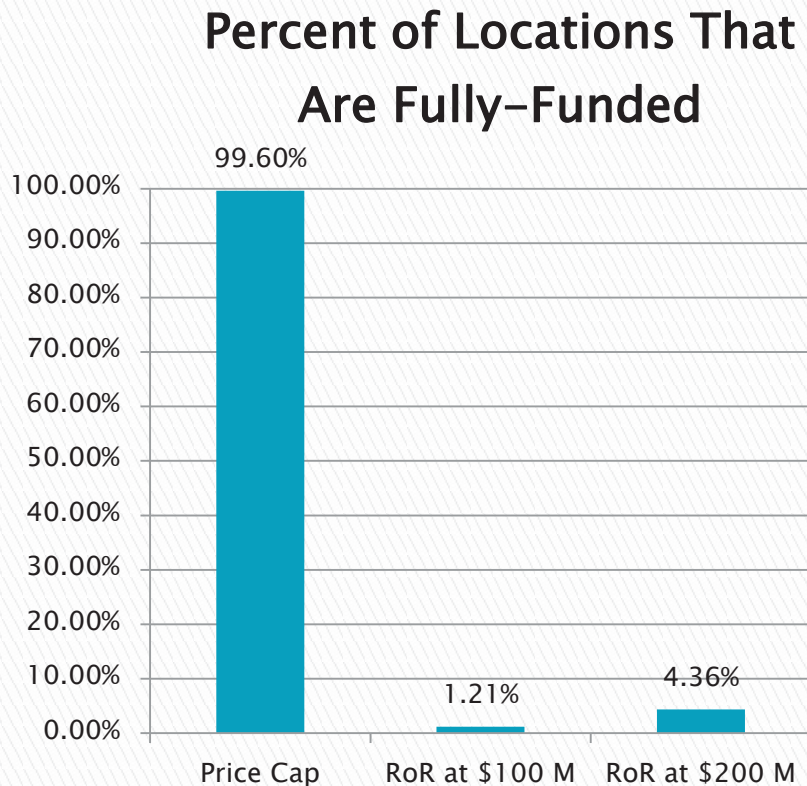


Assumes companies will take model at 1.5 times more than legacy support.

Assumes companies will take model at \$1 more than legacy support.

Average schedule density was not available so these locations were excluded.

More Locations Are Fully Funded in Price Cap Areas than in RoR Areas



- ▶ Nearly all Price Cap locations were fully funded, but only a small fraction of RoR locations would be
- ▶ RoR companies must commit to higher speeds (25/3 Mbps to many) than what is required of price cap carriers

Assumes ROR companies select model if model is 1.5X more than legacy .

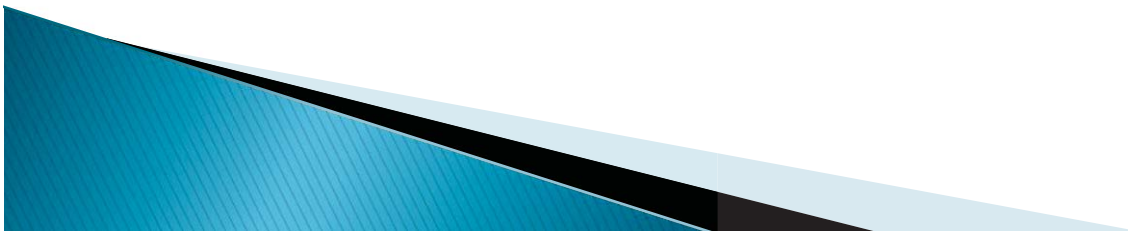
\$100 M for the RoR Model Penalizes RoR Customers Compared to Price Cap Customers

- ▶ Many more RoR customers are located in high-cost rural areas than are Price Cap customers
- ▶ RoR funding per location is substantially below the level of Price Cap funding per location
 - Price cap funding: up to \$200 per location
 - RoR funding at \$100 M: up to \$66 per location*
 - RoR funding at \$200 M: up to \$108 per location*

*Assumes ROR companies select model if model support is 1.5X more than legacy.

Model Parameters to Make the RoR Model Effort Successful

- ▶ Fund the model at \$200 million or \$200 per location
- ▶ Restrict the model election to those companies that have significant costly deployment yet to be undertaken
- ▶ Require model recipients to be accountable for the funding provided



Great Plains' Experience with Satellite

- ▶ Customers reportedly choose slower speed wireline broadband over satellite service
- ▶ For as much as 18 months at a time, the satellite providers don't allow new customers to subscribe
- ▶ Customers on average exceed their capacity limits at least one time per year
 - Minimal streaming video causes customers to exceed their capacity limits
 - Customers have to upgrade computer software at night when capacity limits don't apply
- ▶ Businesses can't use the service for VPN, a common application, because of slow speeds, latency and no static IP address



Consolidated and Great Plains' Experience with Fixed Wireless

- ▶ Data rates were insufficient and could not be scaled to meet customer demand
 - 5/1 Mbps could only be achieved when just one customer was connected at a distance of 1 mile
- ▶ Fewer customers than projected could be served on the towers
 - Only 45 customers/tower could be connected even though 200 customers/tower were projected in engineering estimates
- ▶ The signal could not reach many customers
 - Even though the technology didn't require line of sight, customers in the valleys could not be reached
 - Outdoor modems had to be used, which increased the cost
- ▶ Given these issues, both companies would have chosen a wireline technology if they had an opportunity to do these projects again
 - The cost of FTTH or FTTN would have been comparable
 - FTTH and FTTN perform better and are scalable